

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"349".clas. and oxygen adj plasma with nitrogen adj plasma	US-PGPUB; USPAT	OR	ON	2009/09/30 21:45
L3	7	"349".clas. and oxygen near2 plasma same nitrogen near2 plasma	US-PGPUB; USPAT	OR	ON	2009/09/30 22:14
L8	90	"349".clas. and buffer adj layer with (double or two or second) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/09/30 22:34
L9	46	"349".clas. and underlying adj (film layer) near4 (double or two or second) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/09/30 22:44
L11	39	"349".clas. and substrate near2 (protective adj (film layer)) near4 (double or two or second) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/09/30 22:50
L12	8	(hwang-yong-sup chae-gee- sung jo-gyoo-chul) not (cu copper).clm. and @pd>"20090212"	US-PGPUB; USPAT	OR	ON	2009/09/30 22:55
L13	2	(hwang-yong-sup chae-gee- sung jo-gyoo-chul) and (cu copper).clm. and @pd>"20090212"	US-PGPUB; USPAT	OR	ON	2009/09/30 22:55
L14	4	(hwang-yong-sup chae-gee- sung jo-gyoo-chul) and (cu copper).clm. and buffer.clm.	US-PGPUB; USPAT	OR	ON	2009/09/30 22:55
L16	5	"10253976"	JPO; DERWENT	OR	ON	2009/09/30 23:01
L17	96	349/147,148.ccls. and (cu copper) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:00
L18	185	349/147,148.ccls. not (cu copper) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:00

L19	70	349/147,148.ccls. not (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:00
L25	32	349/122,138.ccls. and (double two second) adj (underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:12
L26	325	349/122,138.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:13
L27	815	349/122,138.ccls. not (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:13
L28	23	349/122,138.ccls. and 349/158.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:14
L29	55	349/122,138.ccls. and 349/158.ccls. not (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:14
L30	6	("6674502").URPN.	USPAT	OR	ON	2009/10/01 01:20
L31	10	("4429011"   "5198392"   "5327001"   "5492843"   "6144082"   "6219125"   "6335777"   "6337723"   "6414738"   "6424091").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 01:21
L32	98	349/158.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:40
L35	442	349/158.ccls. not (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:40
L36	1	("2004/0090588").URPN.	USPAT	OR	ON	2009/10/01 01:49

L37	2	("5583369").PN. OR ("6853433").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 01:54
L38	391	349/139,187.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad< "20030630" or @rlad< "20030630")	US-PGPUB; USPAT	OR	ON	2009/10/01 01:56
S1	4	"20040041958" "20020117691" "6043511". pn.	US-PGPUB; USPAT	OR	ON	2007/01/24 14:19
S2	190	LG.as. and copper.clm.	US-PGPUB; USPAT	OR	ON	2007/02/02 14:40
S3	23	"349".clas. and LG.as. and copper.clm.	US-PGPUB; USPAT	OR	ON	2007/02/02 15:52
S4	1	"20030155373"	US-PGPUB; USPAT	OR	ON	2007/02/02 14:54
S5	16	"349".clas. and LG.as. and cu.clm.	US-PGPUB; USPAT	OR	ON	2007/02/02 16:45
S6	1	"6043511".pn.	US-PGPUB; USPAT	OR	ON	2007/02/07 14:24
S10	13	("20020057395" "20020081847" "20020105604" "20020117691" "20020135710" "20030127649" "20030169380" "20030178656" "20030213966" "6043511" "6335211" "6350995" "6362507" "6674495" "6780784" "6861368").pn. and (copper cu)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:24
S11	3	("20020057395" "20020081847" "20020105604" "20020117691" "20020135710" "20030127649" "20030169380" "20030178656" "20030213966" "6043511" "6335211" "6350995" "6362507" "6674495" "6780784" "6861368").pn. not (copper cu)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:24
S13	3	("6750475" "5650834" "6674495").pn. and (cu copper)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:38
S14	1	"6323490".pn.	US-PGPUB; USPAT	OR	ON	2007/02/07 17:07

S16	37	"349".clas. and taper with gate adj electrode	US-PGPUB; USPAT	OR	ON	2007/02/07 17:08
S17	1	"6350995".pn.	US-PGPUB; USPAT	OR	ON	2007/02/07 17:39
S21	50	"349".clas. and adhesion with gate with substrate	US-PGPUB; USPAT	OR	ON	2007/02/08 16:00
S30	92	349/38,39.ccls. and @pd<"20020630" and passivation	US-PGPUB; USPAT	OR	ON	2007/02/08 16:48
S32	56	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (copper cu).clm.	US-PGPUB; USPAT	OR	ON	2007/07/29 12:34
S35	89	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (copper cu).clm.	US-PGPUB; USPAT	OR	ON	2007/07/29 12:43
S38	1	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (copper cu).clm. and @pd>"20070729"	US-PGPUB; USPAT	OR	ON	2008/01/08 15:28
S39	6	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (copper cu).clm. and @pd>"20070729"	US-PGPUB; USPAT	OR	ON	2008/01/08 15:29
S49	5	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (copper cu).clm. and @pd>"20080108"	US-PGPUB; USPAT	OR	ON	2008/07/17 19:51
S50	11	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (copper cu).clm. and @pd>"20080108"	US-PGPUB; USPAT	OR	ON	2008/07/17 19:52
S57	16	349/147,148.ccls. and @ad<"20020903" and (Cu copper) with (Ta Ti tantalum titanium) with (Mo molybdenum) with (source drain gate data signal bus line electrode)	US-PGPUB; USPAT	OR	ON	2008/07/17 20:00
S58	10	349/147,148.ccls. and @ad<"20020903" and schechter	US-PGPUB; USPAT	OR	ON	2008/07/17 20:18
S63	4	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (cu copper).clm. and @pd>"20080717"	US-PGPUB; USPAT	OR	ON	2009/02/12 16:17
S64	12	(hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (cu copper).clm. and @pd>"20080717"	US-PGPUB; USPAT	OR	ON	2009/02/12 16:17

S65	1	"6674502".pn.	US-PGPUB; USPAT	OR	ON	2009/02/20 13:48
S66	4	"349".clas. and etch\$4 with protect\$3 with substrate with (SiN or nitride) adj layer	US-PGPUB; USPAT	OR	ON	2009/02/20 13:51
S67	5	"349".clas. and etch\$4 with protect\$3 adj3 substrate with (SiN or nitride)	US-PGPUB; USPAT	OR	ON	2009/02/20 13:52
S68	11	"349".clas. and protect\$3 adj3 substrate with (SiN or nitride)	US-PGPUB; USPAT	OR	ON	2009/02/20 13:53
S69	19	"349".clas. and undercoat with substrate with (SiN or nitride)	US-PGPUB; USPAT	OR	ON	2009/02/20 13:54
S70	64	"349".clas. and etch\$4 with damag\$3 with substrate	US-PGPUB; USPAT	OR	ON	2009/02/20 13:56
S71	3	"349".clas. and (etch\$4 with damag\$3 with substrate) same (SiN nitride)	US-PGPUB; USPAT	OR	ON	2009/02/20 14:16
S72	3	"20040233361" "6509616". pn.	US-PGPUB; USPAT	OR	ON	2009/02/20 14:18
S73	2	"349".clas. and (etch\$4 with buffer with substrate) same (SiN nitride)	US-PGPUB; USPAT	OR	ON	2009/02/20 14:20
S74	36	(US-20030107023-\$ or US- 20040209407-\$ or US- 20040125257-\$ or US- 20030178656-\$ or US- 20040262569-\$ or US- 20020117691-\$ or US- 20040041958-\$ or US- 20060105579-\$ or US- 20040263706-\$ or US- 20020081847-\$ or US- 20040263708-\$ or US- 20050041170-\$ or US- 20030127649-\$ or US- 20020042167-\$ or US- 20040263746-\$ or US- 20050122443-\$ or US- 20080182352-\$ or US- 20010055084-\$).did. or (US- 7176535-\$ or US-6323490-\$ or US-6429908-\$ or US- 6674502-\$ or US-6043511-\$ or US-5739877-\$ or US- 7008548-\$ or US-7061020-\$ or US-6861368-\$ or US- 6462802-\$ or US-6091464-\$ or US-6674495-\$ or US- 5429962-\$ or US-5650834-\$ or US-6750475-\$ or US- 7277138-\$ or US-7352417-\$	US-PGPUB; USPAT	OR	ON	2009/02/20 14:32

		or US-6184964-\$.did.				
S75	56	"349".clas. and (etch\$4 with (Ti Ta titanium tantalum)) same ((nitride SiN) with substrate)	US-PGPUB; USPAT	OR	ON	2009/02/20 14:35
S76	33	349/147,148.ccls. and @ad<"20020903" and (Cu copper) with (Ta Ti tantalum titanium)	US-PGPUB; USPAT	OR	ON	2009/02/20 15:21

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L43	50	("349".clas. or LCD. clm. or (liquid adj crystal).clm.) and ((double two second) adj (layer underlying buffer protective)).clm. with substrate.clm. and (copper cu).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/01 02:05
L44	192	("349".clas. or LCD. clm. or (liquid adj crystal).clm.) and ((double two second) adj (layer underlying buffer protective)).clm. with substrate.clm. and (gate scan scanning). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/01 02:05

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